

19971124.qrp v00_n919.qrs.971124

Date: Mon, 24 Nov 1997 19:03:22 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 919

QRP-L Digest 919

Topics covered in this issue include:

- 1) [31213] Doghouse Run and Atrophied Fist
by Joe Gervais <vole@primenet.com>
- 2) [31214] High Gain Drifter? (FS/T)
by MNHopkins@aol.com
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by MNHopkins@aol.com
- 4) [31216] Restating the Regen.
by MNHopkins@aol.com
- 5) [31217] For Sale Goodies
by Ken Lopez <kjlopez@earthlink.net>
- 6) [31217] Re: QRP Kit
by Ed <edn4pk@VoyagerOnline.net>
- 7) [31217] Becoming a member
by Johnny Knight <kf4nj@worldnet.att.net>
- 8) [31218] WHAT EVER HAPPENED TO BROWN BROTHERS PADDLES?
by Mike Duke <K5xu@cris.com>
- 9) [31218] Hello (new ham)
by William Wyatt <wbw95k@timon.acu.edu>
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- 11) [31220] Re: Restating the Regen.
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- 12) [31221] Re: Top 10 NorCal Paddle Mods
by Paul Harden <pharden@aoc.nrao.edu>
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- 14) [31223] Crystal Evaluator P.C. board.
by sigcom@juno.com (Stephen M Smith)
- 15) [31224] Re: Moles EXIST!!a la Nils
by maccary@on-ramp.ior.com
- 16) [31225] Re: GQRP - Iron tips tips
by George Gingell <k3tks@u1.abs.net>
- 17) [31226] What Ever Happended To Brown Brothers Paddles?
by David Gauding <david.gauding@bbs.galilei.com>
- 18) [31226] Wrinkling paint for paddle
by Vic Rosenthal <rakefet@rakefet.com>
- 19) [31227] Re: Bonus points added to Pixie Contest

- by Randy Hargenrader <randyh@harksystems.com>
- 20) [31228] RE: SOS message
by "J. Medley" <jmedley@ix.netcom.com>
- 21) [31229] EMTECH New URL
by "Jim, Nancy, Juliann, Issei" <larsennnc@alaska.net>
- 22) [31229] Re: Wrinkling paint (~LONG)
by Ed Tanton <n4xy@bellsouth.net>
- 23) [31229] photosensitive pc boards
by Roger Traylor <traylor@ECE.ORST.EDU>
- 24) [31230] Re: Restating the Regen.
by Peter Demmer <ampruss@hits.net>
- 25) [31230] politics
by talljazz@teleport.com (Dan Presley)
- 26) [31231] Thnaksgiving
by John Bates <batesjw@netspace.net.au>
- 27) [31231] Re: SOS message
by Terres Family <terresfm@ncia.net>
- 28) [31232] FOX *Tonight*
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 29) [31233] ARCI and CW SS Pictures (Wyoming)
by AE0Q V31RY <v31ry@ix.netcom.com>
- 30) [31234] HeathKit QRP accessories F.S.
by K3TE <qrp@earthlink.net>
- 31) [31235] Re: Heath nut suckers
by "James C. Owen, III" <owen@piper.eeel.nist.gov>
- 32) [31236]
by kq0i@juno.com (Mark R Milburn)
- 33) [31237] Re: Thnaksgiving
by Monte Stark <ku7y@sage.dri.edu>
- 34) [31238] LED Flashlights
by Andy Fox <foxes@theriver.com>
- 35) [31239] Re: Wrinkling paint
by Vic Rosenthal <rakefet@rakefet.com>
- 36) [31240] 2n2222 keyer
by cooper@gmpvt.com (Tom Cooper)
- 37) [31240] Re: Nov. 19 Log for N8VAR
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 38) [31241] Christmas Wish List
by Brad Mugleston <bmug@gwl.com>
- 39) [31241] Super Gainer design ideas
by Steven Weber <kd1jv@moose.ncia.net>
- 40) [31241] For Sale Items
by Ken Lopez <kjlopez@earthlink.net>
- 41) [31242] Re: 40m realignment apparently put on 2001 WRC schedule :(
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 42) [31243] Computer (not QRP) related
by Al Moyle <moyle@essc.psu.edu>
- 43) [31243] Re: Interesting phenomenon: vertical vs horizontal antenna experience

- by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 44) [31244] Christmas cards in Dec "NWQ"
by Bill Todd <bill@techline.com>
- 45) [31245] Any Solid State Relay Experts Here?
by "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
- 46) [31246] Re: photosensitive pc boards
by "Claton Cadmus" <aplitech@spacestar.net>
- 47) [31247] Re: Crystal Evaluator P.C. board.
by "Claton Cadmus" <aplitech@Spacestar.Net>
- 48) [31248] NW80/20
by tom whalen <whalen@swcp.com>
- 49) [31249] For Sale
by Kory Hamzeh <kory@avatar.com>
- 50) [31250] Fox Hunting
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 51) [31251] Moving 40 Meters
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 52) [31251] Test Equipment
by "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
- 53) [31252] WTB - Index Companion
by tahrens1@juno.com (Timothy H Ahrens)
- 54) [31252] Re: Interesting phenomenon: vertical vs horizontal antenna experience
by Vic Rosenthal <rakefet@rakefet.com>
- 55) [31253] Re: Moving 40 Meters
by Monte Stark <ku7y@sage.dri.edu>
- 56) [31253] Time to drool?
by tahrens1@juno.com (Timothy H Ahrens)
- 57) [31254] Re: photosensitive pc boards
by Leon Heller <leon@lfheller.demon.co.uk>
- 58) [31255] Re: Time to drool?
by Ed Tanton <n4xy@bellsouth.net>
- 59) [31255] Re: Interesting phenomenon: vertical vs horizontal antenna experience
by "Ken Hanks" <kennfd@ibm.net>
- 60) [31256] Re: Interesting phenomenon: vertical vs horizontal antenna experience
by "Michael A. Gipe" <mgipe@reliablemeters.com>
- 61) [31257] Norcal Paddle Available?
by "Christopher Moore" <christopher.moore@snet.net>
- 62) [31258] First timer?
by "Cordill,Jim" <JCORDILL@cerner.com>
- 63) [31259] Re: Interesting phenomenon: vertical vs horizontal antenna experience
by cooper@gmpvt.com (Tom Cooper)
- 64) [31260] Re: Fox Hunting
by Brian Milesosky <n5zgt@swcp.com>
- 65) [31261] QRP tip or 2
by Ed Tanton <n4xy@bellsouth.net>
- 66) [31262] Verical vs. Dipole
by ab5uacw@juno.com (Clifton W Sikes)
- 67) [31263] Cheap DVM

by "J. Skalski" <jskalski@acsu.buffalo.edu>
68) [31264] Poly Capacitors
by n4js@pobox.com
69) [31265] RE: FOX *Tonight*
by n4js@pobox.com
70) [31265] Re: First timer?
by Joe Gervais <vole@primenet.com>
71) [31265] SGC2020
by "Jeff M. Gold" <jmg@tnitech.edu>
72) [31266] Re: Norcal paddles
by "Michael A. Gipe" <mgipe@reliablemeters.com>
73) [31267] FOX: N/T+ report: NOGLM from 19 Nov EST
by "Buck, Preston D" <BuckPD@corning.com>
74) [31268] Re: Poly Capacitors
by "Robert P. Okas" <vintage@best.com>
75) [31269] Re: Verical vs. Dipole
by "J. Skalski" <jskalski@acsu.buffalo.edu>

Date: Sun, 23 Nov 1997 17:04:55 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [31213] Doghouse Run and Atrophied Fist
Message-ID: <199711240004.RAA08898@usr04.primenet.com>

Howdy Folks,

Despite a *very* late start and finding 20m to be mushy at best, I had alot of fun in the Doghouse 'test! Managed to work from AK (Jim AL7FS) all the way down to FL (Bob N4BP). Those bonus area codes just weren't working their way into my antler though. Nuts!

Only sigs I didn't have to dig for were Ed (WE6W) in CA, and Brian (W5VBO) two miles away. :-) The rest were *tough*. Thanks to Jim for hanging in there - the QSB to AK was deep and when your sig was up, so was the QRM. Loads of fun. :)

Also realized my fist is *awful*. Been so incredibly busy the past few months that it's all I can do to even get on for the Fox hunts, much less casual ragchewing. And there's my problem. Ragchewing keeps my fist "healthy". No ragchewing, no fist.

So I'm hoping to dig up some time and start ragchewing again. If you hear me calling CQ, please send a few watts my way - this kid needs all the practice he can get! All ears and no fist make Joe a sad vole....

Many thanks to the LI/NJ folks! For both the contest and making me realize I've fallen off the wagon. ;-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"And then you must cut down the mightiest tree in the forest with... A HERRING!"

Date: Sun, 23 Nov 1997 19:06:44 -0500 (EST)
From: MNHopkins@aol.com
To: qrp-1@Lehigh.EDU
Subject: [31214] High Gain Drifter? (FS/T)
Message-ID: <971123190644_-1304938006@mrin58.mail.aol.com>

Could not resist the allusion to Clint Eastwood's ambiguous offering that preceeded the excellent Pale Rider, but this is about Hi-Gain CB boards and such.

A friend, I guess, left off one of the famous High-Gain circuit boards here. In fact, it is the whole rig with the hand mic that chooses the stations and such.

"Do something with it," he said.

I'll just do that by offering it for trade for QRP and/or Six Meter related items, especially receive converters of any type.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58
Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

Date: Sun, 23 Nov 1997 19:06:42 -0500 (EST)
From: MNHopkins@aol.com
To: qrp-l@Lehigh.EDU
Subject: [31215] Two Giants of HB RXing
Message-ID: <971123190642_1705299945@mrin54.mail.aol.com>

`K5BZD rightly lauds:

"A Progressive Communications Receiver," (W7Z0I and K5IRK), QST, Nov. 1981.

This is a landmark builder's article that uses modular construction and starts with a DC RX which is elaborated into a superhet. The IF is 80M and my homebrew DC for that band proudly sports the preselector from this article.

---but there was an earlier, similar article worthy of consideration:

"Learning to Work With Semiconductors," DeMaw and Rusgrove, QST, May-Sep., 1974 also appeared as: Solid State Basics (not Design) for the Radio Amateur, ARRL, 1978.

This series used the hacksaw method of circuit board construction. One scribes 1/2 inch squares in some PCB and glues the result to a larger board for a ground plane. It looks funny, but works well and Far Circuits is never involved. The main project is, again, a RX that starts out as a DC at 80M and then is pulled up 500 kc or so to make the LO of a 455 kc IF superhet. The preselector is rolled on a 35mm film can. It is doubtlessly the most versatile project ever showcased by ARRL and the example here, down to its wood base, works great.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58
Michael Hopkins
Box 226841
Dallas, TX 75222 MNHopkins@AOL.com

Date: Sun, 23 Nov 1997 19:06:38 -0500 (EST)
From: MNHopkins@aol.com
To: PDouglas12@aol.com
Cc: QRP-L@Lehigh.EDU, kevin.reeves@juno.com, kbritain@johnstontech.com
Subject: [31216] Restating the Regen.
Message-ID: <971123190637_2072465641@mrin46.mail.aol.com>

Preston and company,

I am in agreement with most all Preston says, especially about Dave Benson's kits being FB and, mercifully, the prediction that the DC v. S'het thread is half over for this time. But wait:

"Why do we foster regenerative receivers off on newcomers?"

Preston, that is a very smart thing to do, because,

1. They are easy to get working -- the bloopers of the '30s were made because of this aspect.

2. They work pretty well -- especially when the new thought on them is followed, which is to use a FET detector and a FET preamp with perhaps unity gain plus control the regeneration with the throttle capacitor method.

3. They hear all modes -- a friend said a regen won't copy FM. "Takes a Super-regen," he said. We put a 1970 Radio Shack "Globe Patrol" behind a '56 Tecraft 2M converter and heard all the repeaters he wished. I am remiss in not yet building the TEN-TEC \$24 regen, but the \$59 MFJ was a fine performer when my kids built it a few years ago.

4. They double as bench tools -- almost all have wide tuning ranges and, when thrown into regeneration, they double as signal generators. The Globe Patrol has checked the front ends of many 6M rigs here on its 25 mc harmonic.

5. They are hard to tune -- that is much a virtue as a vice. One fellow drives a Lincoln Town Car to my church, another a MG TD. The MG is a lot more trouble to drive, but more fun too. Regens get one into the feel of radio today, not just the nostalgic.

6. They point somewhere useful. The regenerative two tube "bloopers" gave way not to the Pilot Super Pro, but to the so-called Super Gainer -- a near forgotten concept. A super gainer takes the pluses of the superhet without its minuses. It is a superhet in the front and a regen in the back. It has no IF stage at all, just a regenerative detector. The great popularizer was Frank Jones, W6AJF, in 1935, and guess where he did it? Five Meters! That is 56 - 60 mc and he used a 100 kc IF! Images? You bet. "Tune the best one," was his advice. These sets were even available as kits from McMurdo Silver up to the war and the last incarnation appears in CQ for 1957. By then they had a T/R switch built in and a crystal filter.

"This circuit is too selective for phone reception," wrote Jones.

The Super Gainer may be the next step in homebuilt RXs. It is a natural in that such a thing is easy to cobble from BCB radio parts, which are the things that modern ham radio came from anyway. Read Orr on the Broadcast Craze of the late '20s and early '30s and its effect on us. Even better, pickup the November CQ and check out his Frank Jones regenerative

superhet diagram. Maybe take up his challenge to put it on 6M?

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

Date: Sun, 23 Nov 1997 11:25:22 +0000
From: Ken Lopez <kjllopez@earthlink.net>
To: QRP-1 <QRP-1@Lehigh.EDU>
Subject: [31217] For Sale Goodies
Message-ID: <34785795.543C@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For Sale:

W9GR DSP 3 Digital Signal Processor Kit. Unbuilt. New \$168, sell for \$125.

LDG AT-11 Automatic antenna tuner kit, unbuilt, with case, New \$180, sell for \$125.

Wilderness/ Norcal 40A, unbuilt, complete, \$115.

Johnson Matchbox, 275 Watt, with meter, coupler, \$120.

Shipping costs extra on all items.

Ken, N6TZV
818-541-0712

Date: Sun, 23 Nov 1997 20:39:12 -0800
From: Ed <edn4pk@VoyagerOnline.net>
To: qrp-1@Lehigh.EDU
Subject: [31217] Re: QRP Kit
Message-ID: <347904F0.4CE@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well you ask a simple question and you get almost 100 replies. I started to reply on a 1 to 1 basis but that is not possible. I wish to thank all of you that replied to my question on Qrp kits. The response was just over-whelming. I guess that my best choice seems to be a NW80/20. I hope I'm right on this one. Well thanks to all again and will cu all in the next Fox hunt...This oughta be a thriller. Havent worked Qrp in almost 15 years and the first thing I do is get in a mini-test...hihi

73..Ed N4PK (ex kb3hb-ka3aws)

P.S. Am looking for a set of Brown Bros paddles. Asked Chuck to keep his eyes open also. If I am able to find them I will have duplicated my Elmer's station and that would be a sense of deep personal pride ..

Date: Sun, 23 Nov 1997 20:14:37 -0500
From: Johnny Knight <kf4nj@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31217] Becoming a member
Message-ID: <3478D4FD.9D2AB392@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello All,

I have been reading the messages on this reflector for about a month and would like to join QRP-L and get a number assigned to be a bit better prepared to work those foxes! Who do I contact?

Thanks for any/all help in this matter and good hunting from John,
KF4NJ

Date: Sun, 23 Nov 1997 20:16:32 -0500 (EST)
From: Mike Duke <K5xu@cris.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31218] WHAT EVER HAPPENED TO BROWN BROTHERS PADDLES?
Message-ID: <Pine.SUN.3.96.971123201450.7616C-100000@mariner.cris.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Anyone remember them?

Anybody other than me like them?

AMATEUR RADIO STATION K 5 X U
Jackson, Mississippi

Date: Sun, 23 Nov 1997 20:32:44 -0600 (CST)
From: William Wyatt <wbw95k@timon.acu.edu>
To: qrp mailing list <qrp-l@Lehigh.EDU>
Subject: [31218] Hello (new ham)
Message-ID: <Pine.BSI.3.95.971123202953.9162A-100000@timon.acu.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi all. I just upgraded to Tech Plus a month or so ago and would appreciate some advice. I have the ubiquitous HT but want to get on the HF bands. I think QRP would be a good way to go to learn even more about ham radio and am not turned off by the idea of a kit. I am also a poor college student so the funds I have are few (else I'd get that pretty Icom 706MkII and knock the power down to 5w :) Any advice on what to look for or specific kits would be greatly appreciated. Everyone have a good day.

| | | | wbw95k@timon.acu.edu
| | | | William Wyatt
| /\ | | /\ | KC5ZGH <--Tech Plus
|/ \ | | / \ | 1 Corinthians 13:13
<http://timon.acu.edu/~wbw95k>

Date: Sun, 23 Nov 1997 21:30:11 -0500
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-l@Lehigh.EDU
Subject: [31219] QRP-ARCI Toy Store - Just in Time for Christmas!
Message-ID: <3.0.1.32.19971123213011.006d6a1c@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP-ARCI Toy Store

QRP-ARCI Coffee Mugs. Midnight Blue with a White logo on each side.
Perfect for both right and left handed operators!
\$5.00 each + \$3.00 Shipping

QRP-ARCI Pins Blue with gold-colored logo
\$5.00 each + \$1.00 Shipping **

"72" Pins Round, white pins with a big 72 in the middle
\$1.00 each + \$1.00 Shipping **

*** NEW for Christmas ***

QRP-ARCI Mouse Pads Blue logo on a champagne pad 8" X 9.5" X 1/8".

Not that I'm in to high power marketing, but my mouse glides much smoother on the "Official QRP-ARCI Mouse Pad" than it does on any other mouse pad in my collection. It has been tested with a serial mouse as well as a PS/2 mouse. The three button mouse seems to handle on the curves a bit better than the two button mouse due to the lower center of gravity. Both of them have been known to roll over on the free mouse pads that can be found at trade shows and Red Shield stores.

Quantity	1	2	3	4	
Special	\$6	\$11	\$16	\$21	Postpaid
After Dec 30	\$7	\$12	\$17	\$23	Postpaid

Be the first on your block.....
Not sold in any stores.....
Don't go on the net without it.....

** Shipping on pins is waived when ordered with coffee mugs.

Orders for the Official QRP-ARCI Toy Store items:

QRP-ARCI Toy Store
P.O. Box 611230
Port Huron, MI 48061-1230

*/	Hank Kohl	K8DD	k8dd@contesting.com
*/	ARRL TS		(k8dd@tir.com)
*/	MI-QRP - Vice Pres.	QRP-ARCI - Director	
*/	G-QRP	ARRL/LM	QCWA/LM QCAO/LM

Date: Sun, 23 Nov 1997 21:54:53
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [31220] Re: Restating the Regen.
Message-ID: <3.0.1.16.19971123215453.224f5c4c@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Yah, the super regen.

I, for one, built many with 6AU6's. I built everything with 6AU6's and the regen was my favorite as a young teen, just learning how to melt solder (and not burn myself in the process).

In fact the last one I built used a 1496 balanced mixer chip as a regen. A clever design by Dave Cripe, KC3ZQ, found in the October '95 issue of 73. It's called "Armstrong Updated". As a side note, I didn't like his audio amp and used a LM386. Anyway, It worked pretty well.

>6. [snip...] A super gainer takes the pluses of the
>superhet without its minuses. It is a superhet in the front and a regen in
>the back. It has no IF stage at all, just a regenerative detector. The
>great populizer was Frank Jones, W6AJF, in 1935, and guess where he did

Hmmm, that's worth a try. Dang, I'm getting more crazy ideas :-)

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Sun, 23 Nov 1997 19:58:35 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: Peter Demmer <ampruss@hits.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31221] Re: Top 10 NorCal Paddle Mods
Message-ID: <Pine.SOL.3.91.971123194637.3834F-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> Wait till Paul gets hold of my cam load
> and lock, IR beam splitting eccentric cw keyer. Best of all I give you
> only one moving part to mess around with. Hey, It took the 5th First
> Place at the NORCAL contest bash at PAIFICON 97. So maybe there is hope
> even if I came in from Hawaii late.

> Peter, KH6CTQ

Peter,

I remember your IR beam-splitting paddles well at PacifiCon, as I was one of the judges. We had the winners all figured out and were in our final pow-wow when you walked in and asked if you were too late. So we went over to look at your two projects (the paddles and the rig) just to be polite, and we all looked at eachother and said "Hey, this ain't too bad!" We had to readjust all the winners to accomodate your paddles, because they WERE a winning entry. Very nice concept and workmanship indeed. Maybe you can take a photo or two, and write a short article for QRPP or QRP Quarterly. It is a clever approach.

Did you also see the paddles there made from "Lego" toy pieces? It was so ugly, it was cute. But amazingly, they had a good feel to them though, which actually made us play with them several times.

I was amazed at virtually all the entries ... and to anyone who has never been to Dayton, PacifiCon, etc. with a QRP building contest, you are missing out on what some of the best kitchen table engineers in the country are building. And what also amazes me, is the workmanship of these rigs by people who have NEVER done electronics professionally, yet show up with world class homebrew gear. My hat is off to those people especially. You do far better work than you might give yourselves credit!

72, Paul NA5N

Date: Sun, 23 Nov 1997 21:24:02 -0600
From: "Terry Bassett" <mutabut@net66.com>
To: <QRP-L@Lehigh.EDU>
Subject: [31222] Atomic Keyer (humor)
Message-ID: <01bcf888\$698202a0\$cc5e8bce@host.net66.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I got my Atomic Keyer kit on Friday, but had to work O.T. on Saturday, So Sunday afternoon I finally got it put together. I come up out of the basement and start telling my XYL about it. She says "now that its built, you'll probably want some other kit." I said, "Well there are some neat thirty meter kits available." She says, "now wait a minute, you've got all the meters anyone could want." go figure!

Date: Sun, 23 Nov 1997 22:40:16 EST
From: sigcom@juno.com (Stephen M Smith)
To: qrp-1@Lehigh.EDU
Subject: [31223] Crystal Evaluator P.C. board.
Message-ID: <19971123.194245.8327.0.sigcom@juno.com>

Group,

I am building the DeMaw crystal evaluator ("A Tester for Crystal F, Q and R", QST January, 1990/W1FB's Design Notebook) as part of the 2222 project. The circuit board is available from FAR, but I have only the Design Notebook article and it doesn't include the P.C. board layout/parts placement. Can someone FAX, e-mail or mail me that information? Please reply off list. Thanks.

73.....Steve, WB6TNL

Date: Sun, 23 Nov 1997 20:15:52
From: maccary@on-ramp.ior.com
To: qrp-1@Lehigh.EDU
Subject: [31224] Re: Moles EXIST!!a la Nils
Message-ID: <3.0.3.16.19971123201552.1b3f6aac@on-ramp.ior.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Nilsbull had an interesting post on printing his QSL cards on an old letter press. In my long-gone youth, I worked from June to November, 1943, for American Type Founders in the rebuilding plant. We rehabilitated Kelly letter presses and an offset called a Webendorfer, probably for war-related purposes. I wonder if Nils has heard of either of these? My career as a machinist's gofer was short lived because I had to report to the Infantry School at FT. Benning in December.

The recent discussions of DC vs Supers has been especially interesting to me because I have tried both, not kits, but from scratch. The DC is the Neophyte and the Super is based on a design by Drew Diamond using microprocessor crystals that I bought from Dan's. The DC was easy because the parts count is so low, but the Super had lots of IC's and several transistors. I etched a circuit board for the Neophyte but decided to use Diamond's surface mount technique for the Super. This method allows the use of ordinary components which are soldered down to pads that are etched on

the copper. I used a Dremel(tm) engraving tool to cut pads on one side of double-sided board. Wire-wrap IC sockets can be used by bending the tails to align with the solder pads. The crystal for the balanced modulator is wired so that in one switch position the crystal is in series with trimmer cap and in the other position, in series with a small inductor. Voila, USB and LSB!

The biggest problem for unkitters like me is finding tuning caps, so every ham flea market becomes a challenge for me to find caps and dial drives. I built one Super using one of those diode varicap thingies and a 10 turn pot and it works quite well, so that may be the way to go in the future.

I have a lot of comments about link couplers(the ONLY way to go) but will save them for another rant.

Mac

Date: Sun, 23 Nov 1997 23:51:54 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: Frank G3YCC <g3ycc@gqrpclub.demon.co.uk>
Cc: Mike Czuhajewski <wa8mcq@u1.abs.net>, G-QRP Club E-mail Reflector <gqrp-l@blacksheep.org>, QRP List <qrp-l@Lehigh.EDU>
Subject: [31225] Re: GQRP - Iron tips tips
Message-ID: <Pine.BSI.3.96.971123093023.10221B-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Mike,

Maybe we should try a controlled test on this one. :^)
Also is this a Standard Soldering Iron (Fixed Element) or a Temperature Controlled Unit? Is the tip a solid Copper or an Iron Plated tip. What type of solder and Brand is being used. I am assuming Rosin Core, but it could also be one of those Organic Core Solders. I am told that they can also be corrosive. I am reasonably sure that we can rule out use of acid core solders> :^)

Upon investigating, I find that I have at least 6 different rolls of Solder.

1) AT&T Solder Alloy 38/62 .070 dia. C rosin, 1 Lb.

- 2) Radio Shack 64-013 SN 62 62% Tin/36% lead/2% Silver .022 1.5oz.
- 3) ERSIN Multicore Solders SN60 60/40 Tin/Lead .050in. 18 s.w.g. 1 Lb.
- 4) ERSIN Multicore Solders SN63 63/37 Tin/Lead .015in. 28 s.w.g. 1/2 Lb.
- 5) KESTER "44" Rosin Core Solder SN63PB37 .025 core 66 1 Lb.
- 6) KESTER "Organic Core" SN63PB37 66 .031 1 Lb.

Gee, I didn't realize that I had also become a metals collector as well as a Crystal Collector and Pomona Box Horder. :^)

Now where did I put that SMD Solder Paste?

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station KB3BVG
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

On Sun, 23 Nov 1997, Frank G3YCC wrote:

> In message <Pine.BSI.3.96.971122180333.29148A-1000000@u1.abs.net>, Mike
> Czuhajewski <wa8mcq@u1.abs.net> writes
> >Wipe the solder off the tip of the iron between soldering joints and keep
> >the tip free of excess solder at all times? Interesting technique, which
> >flies in the face of conventional wisdom, and goes against everything that
> >I've ever heard over the years. And I've heard many people say over the
> >years that, based on their personal experience and observation, the way to
> >extend life is to keep solder puddled on the tip at all times and *NOT*
> >let the tip remain totally clean and devoid of solder. With all due
> >respect, something does not compute.
> >
> >73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net
> >
> Well there are the facts. By not allowing the solder/flux to remain on
> the tip no pitting has resulted after several weeks, which would
> normally have taken place by now. Yes I know others have put forward
> their ideas, but in my case, the above has worked for me!
> Best regards.
> --
> Frank G3YCC GQRP 042
> QRP Web Page: <http://www.gqrpclub.demon.co.uk>
> Packet: G3YCC@GB7HUL
> ---
> Via GQRP-L - The G-QRP Club mailing list

>

Date: Sun, 23 Nov 1997 22:45:40 -0600
From: David Gauding <david.gauding@bbs.galilei.com>
To: qrp-l@Lehigh.EDU
Subject: [31226] What Ever Happened To Brown Brothers Paddles?
Message-ID: <1.5.4.32.19971124044540.007319e8@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

In response to K5XU's question:

As near as we can tell here in St. Louis, Brown Bros. ceased advertising and selling paddles mail order in late 1978 or 1979. The paddles were only part of a family machine shop operation. I was told only one of the brothers was a ham. Another amateur told me neither was a ham. I have never confirmed these statements.

I bought my ST-A (straight key) and CTL-B (paddle and straight key combo) directly from one of the brothers after my elmer telephoned and made arrangements. Even in those days the paddles were spoken of in reverent tones. It almost felt like I was being granted an audience! <g>

I went to a home in Richmond Heights (St. Louis suburb) in October 1980, placed my order and was told to come back in two days and pick up the ST-A. That brother was assembling keys in the basement of his home, apparently from leftover parts. The black crinkle paint was cured in a spare oven. This finish left something to be desired compared to factory production (no "tooth") but the key worked just fine. I asked to see the workspace but was refused. However, I could just see that oven off to one side at the bottom of the stairs.

As an aside, this purchase took place during the monumental gold crisis. I wanted the older 1/4" silver contacts on my hand key but was told it would have to be a smaller size due to the recent jump in the price of silver. We managed to work something out for \$18.95 ("cash money") but I did find out the contacts were cast from melted silver dimes! I bought the CTL-B the same way for \$39.95(?) after my general ticket arrived in 1981.

The Brown Bros. family tried to sell the rights to the key line in the very late 80's/early 90's, not certain of the year. A ham friend here in St. Louis was genuinely interested. The initial asking price was \$80,000 which translates to a lot of paddle sales!

The deal sweetner included patent rights to a device used to cast the metal paddle levers. The was a pressure casting machine but probably *the* prototype and very primitive. The patent was due to expire in less than two years. My friend did a little math and wisely decided to pass. Later, he learned the asking price had dropped to \$40,000 but nothing news worthy after that. If anyone did buy the rights it is certainly a well-kept secret! To the best of my knowledge the key/paddle mechanisms themselves were not patented.

Several years ago an article on Brown Bros. keys appeared in the Vail Correspondent. The author's time lines vary somewhat from my own but it is good information nevertheless. The last of the production paddles were brought by a small ham store in Illinois (Metro St. Louis area) but I've forgotten the name. I still remember seeing them in a glass counter display cabinet as late as 1983. A BTL-A was \$40.00 and I was sorely tempted, but not enough to buy one!

The building that housed the machine shop was still standing in 1995 (5370 Southwest Avenue) and probably is today. Local stories about the brothers themselves and efforts by others to buy product rights in the mid-80's are passed around from time to time. The last rumor I heard (four years ago) claimed that the latest tenant in the old machine shop building threw out bins of old paddle parts (mostly thumbscrews) when cleaning out his newly leased space. This rumor has also been attributed to the fellow that fabricated parts for the old Ham-Key key/paddle line sold by the defunct Ham Radio Center, also a St. Louis institution. Obviously, this is how rumors get started! <g>

Brown Bros. keys/paddles are understandably common in the St. Louis area and quickly acquired (in any condition) by knowledgeable CW ops. The paint is easily restored and the mechanisms themselves (especially the later models) pretty much bulletproof unless dropped. Mine still feel like I paid a million bucks for them! Nothing even comes close!

Best regards,

de Dave, NF0R nf0r@slacc.com

Date: Sun, 23 Nov 1997 20:59:56 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31226] Wrinkling paint for paddle
Message-ID: <347909CC.10289823@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

In true improvisatory spirit, I want to wrinkle-finish my Norcal paddle base with regular black spray enamel. If I put it on thick and dry it with a hair dryer, will it wrinkle up or just be especially ugly? Has anyone tried this?

Or should I overcome my desire for instant gratification and try to find some real wrinkle paint tomorrow? Inquiring minds, etc.

Vic K2VCO

Date: Mon, 24 Nov 1997 00:01:44 -0500
From: Randy Hargenrader <randyh@harksystems.com>
To: Dave Johnson <djohnson@acpub.duke.edu>
Cc: klqrp@acpub.duke.edu, qrp-1@Lehigh.EDU
Subject: [31227] Re: Bonus points added to Pixie Contest
Message-ID: <34790A38.1C33@harksystems.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dave Johnson wrote:

>
> What about the club in NY that has NQ2RP ?? Are you specifically leaving
> them out? ;-)
>
> Dave WA4NID

00ps! "MY BAD"

Of course they are included! Perhaps there are some other groups with "QRP" calls we need to include. Sorry for the oversight!

Consider this a call to all groups with QRP calls to let me know about your so we can include them.

--

73, Randy WJ4P

Knightlites QRP-L #296

Date: Sun, 23 Nov 1997 23:47:31 -0600 (CST)
From: "J. Medley" <jmedley@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [31228] RE: SOS message
Message-ID: <199711240547.XAA19303@dfw-ix11.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>I'm sure that this was, er, simulated. It did not sound like an
>off-the-air recording. Also did you note that the op sent S O S, as
>three separate letters, not the correct SOS sent as a single character

Well, Vic, you've hit the nail on the head here whether or not you realize it. The original distress message was sent out in the old CQD fashion because the captain felt that the "new" distress call (SOS) hadn't been in use long enough for other ships or passers-by to understand its use.

I have a set of excellent documentary films on the Titanic and other White Star tragedies. One of the radio ops from the Titanic survived the disaster and gives an excellent interview for the documentary.

Jan, KB0WQT

Date: Sun, 23 Nov 1997 20:57:41 -0900
From: "Jim, Nancy, Juliann, Issei" <larsennnc@alaska.net>
To: qrp-l@Lehigh.EDU
Subject: [31229] EMTECH New URL
Message-ID: <34791755.5069@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looks like EMTECH has a new URL. Better bookmark it, it says the old site is going away.

<http://www.premier1.net/~odalaiigh/emtech.htm>

73, Jim, AL7FS

--

Jim Larsen, ex-WA0LPK
Acupressure Anchorage
ECKANKAR
Vision Recumbent
Anchorage, Alaska

Date: Mon, 24 Nov 1997 00:57:37 -0500
From: Ed Tanton <n4xy@bellsouth.net>
To: rakefet@rakefet.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31229] Re: Wrinkling paint (~LONG)
Message-ID: <3.0.1.32.19971124005737.00c2ae30@mail.atl.bellsouth.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Vic...It'll wrinkle, but not nearly as reliably well. I would buy the paint (how many times do you want to do this? And wouldn't you rather do it right?) First, put a coat of paint the same color as the wrinkle paint (or ONE coat of the wrinkle paint) JUST on the bottom-try hard NOT to get any on the sides. LET IT DRY THOROUGHLY (more than 2 days.) Then, wait until the XYL is going to be gone for several hours-preferably all afternoon.

Turn on your family oven, and set it for BAKE... to about 150-160 degrees F. Use a cheapo throw-away aluminum tray/cake pan, and place the base ONLY on-or in-it. Set the base on something substantial enough that the base cannot move much when you are carrying it from the painting location to the oven-and vice versa.

You want the base to overhang its support so some of the paint will wrap around to the bottom. (If the base has rubber or plastic feet on the bottom, or anything else meltable at low temps, take it off.) Now simply follow the directions of the paint mfr. KEEP the base HORIZONTAL the whole time. You can use a bit more paint that way without runs or drips-but be careful with the (vertical) edges. Usually they will say to spray once somewhat generously, and then wait several minutes... whatever they say.

Follow with the second coat, and go put it the oven. As that heat hits it, it'll wrinkle so evenly with such superfine, small-sized wrinkles, it'll look like Earl Scheib did it... heck... it'll look better than Earl's work. Watch the temp... too much and it'll burn. Too little and the wrinkles will not reach so fine a 'grain'.

When you can see in the oven that it has wrinkled completely... wait a minute or two and take it out. The paint will still be VERY soft. Take it outside if you can... the less odour you can put in the house, the better... although as you will have learned, it'll smell pretty strongly. If you cannot take it outside, take it to a bathroom with a ventilated ceiling fan.

Finally, if your oven has a self-clean cycle, raise that glass shield and start it going. Your wife will think you were being nice, and you may very well get away with the smell. I have used this technique many times, on units ranging from mini-boxes to 19 inch rack panels, and it works really well, every time. There is always the danger, using heat guns and hair dryers that you will either burn the paint, or have it wrinkle unevenly... since you cannot usually heat the entire painted object simultaneously.

That's it. It'll look great.. professional. Don't forget, at the start, to thoroughly degrease the blank base. Make sure you don't mess with the painted, wrinkled base 'til it has really cooled down. It wouldn't hurt to wait a day or two-if you can stand it-to assemble the rest of the paddle.

Let me know how it turns out.

73

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

INTERESTS:	QRP	BoatAnchors	Test Equipment	Photography
CW: 99.9%		Mercury Paddle # 0214		QRP or 90W: 95%

"Think you can, think you can't: either way you're right!" Henry Ford

Date: Sun, 23 Nov 1997 22:03:21 -0800 (PST)
From: Roger Traylor <traylor@ECE.ORST.EDU>
To: qrp-l@Lehigh.EDU
Subject: [31229] photosensitive pc boards

Message-ID: <199711240603.WAA18676@holmes.ece.orst.edu>

Content-Type: text

Guys,

I am trying to make a pcb. I want to use a transparency made on a xerox machine or laser printer as the photopositive mask. My question is, will the dark areas of the transparency made in this way be opaque enough to use with the sensitized board, or will the light bleed through and ruin everything?

Thanks,

Roger Traylor
WB4TPW

Date: Sun, 23 Nov 1997 20:58:43 -1000
From: Peter Demmer <ampruss@hits.net>
To: MNHopkins@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31230] Re: Restating the Regen.
Message-ID: <347925A3.31B7@hits.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

MNHopkins@aol.com wrote:

>
> Preston and company,
>
> I am in agreement with most all Preston says, especially about Dave
> Benson's kits being FB and, mercifully, the prediction that the DC v. S'het
> thread is half over for this time. But wait:
>
> "Why do we foster regenerative receivers off on newcomers?"
>
> Preston, that is a very smart thing to do, because,
>
> 1. They are easy to get working -- the bloopers of the '30s were made
> because of this aspect.
>
> 2. They work pretty well -- especially when the new thought on them is
> followed, which is to use a FET detector and a FET preamp with perhaps unity
> gain plus control the regeneration with the throttle capacitor method.
>
> 3. They hear all modes -- a friend said a regen won't copy FM.

> "Takes a Super-regen," he said. We put a 1970 Radio Shack "Globe Patrol"
> behind a '56 Tecraft 2M converter and heard all the repeaters he wished. I
> am remiss in not yet building the TEN-TEC \$24 regen, but the \$59 MFJ was a
> fine performer when my kids built it a few years ago.
>

> Michael Hopkins
> Box 226841
> Dallas, TX 75222 MNHopkins@AOL.com

Snip snip.

Michael, Great comments and also not to forget the Benton Harbor Lunch boxes. Our whole 2 meter MARS net started with those Super Gennys. The Heathkit 1253 Regenny is a great performer. This past summer and again in the fall I set it up at the North shore beach park at Nanakuli and plugged it into a Vern Wright SLV (with my retro-fit coil turns sliding contactor) and four of my nieces and nephews ages 4 1/2 to 7 1/2 hunkered over this little box until 2 AM every evening for three evenings and nights (big family campout). On the other end of the table, Im operating QRP on 40 meters. You know their hooked when the 5 year old girl comes and asks me if they can go back to the 49 meter band and if I retap the SLV coil they will help me tip the antenna and hold the flashlight. Last night I went to a 1st one year old birthday party. There were some 150 people there. Three of these little people came rushing over and pleaded with me to let them come to my house and tune around with Little Miss Genny (LMG)? I don't know which squealed louder, the little folks or LMG when I gave in and told them the day after Christmas. The super gainer in the 1945 ARRL hand book is wonderfully simple and you even build your own IF coils without the can. Im assembling parts for simple solid state gennys for their Christmas stockings. No big thing, but it's a start. To the list, thanks for the band width. Aloha and Happy Thanksgiving. Peter, KH6CTQ

Date: Mon, 24 Nov 1997 00:39:29 -0800
From: talljazz@teleport.com (Dan Presley)
To: qrp-l@Lehigh.EDU
Cc: bill@techline.com
Subject: [31230] politics
Message-ID: <v0153050bb09eecbeb768@[206.163.124.55]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Can we cut the political crap? I don't care where you stand on the president, gun control or religion. Many of us have our own views that are

not foisted on the list at large, and I would appreciate it if you all would do the same. Stick to qrp!
Dan N7CQR

Date: Mon, 24 Nov 1997 19:45:31 +1100
From: John Bates <batesjw@netspace.net.au>
To: qrp net <qrp-l@Lehigh.EDU>
Subject: [31231] Thnaksgiving
Message-ID: <34793EAB.746E27A4@netspace.net.au>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gidday gang,

Just wanted to wish you all a merry Thanksgiving for 1997 from down under here in Tasmania. Know it is your time of the year as I lived in Seattle for 12 months.
All the best to you all and your loved ones.
John

--
batesjw@netspace.net.au
batesjw@southcom.com.au
vk7rt@qsl.net

<http://www.qsl.net/vk7rt/>
VK7RT
CW OPS QRP Club #456

Date: Mon, 24 Nov 1997 08:21:31 -0800
From: Terres Family <terresfm@ncia.net>
To: qrp-l list <qrp-l@Lehigh.EDU>
Subject: [31231] Re: SOS message
Message-ID: <3479A98B.52D8@ncia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There was a nice article on this by Mario Garcia in the October 1997 issue of "73" magazine on page 41. The bibliography lists four texts.
usual disclaimers
72 Jerry AA10F

Date: Mon, 24 Nov 1997 08:00:51 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [31232] FOX *Tonight*
Message-ID: <199711240802_MC2-296B-7804@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

Sorry it has taken so long to post this FOX reminder. Just back from eastern Europe and still jet-lagged somewhat.

Anyway, I will be the FOX *tonight* (Monday, 24 Nov 97), from 0000-0200 UTC. That equates to 1800-2000 CST. Look for me about 7037 +/- QRM.

Setup will be Omni V at 5 watts out to either the window or GAP vertical. May switch during the hunt, depending on conditions.

Will try to work everyone. Will tune off-frequency often, to try to pick out as many hunters as possible. CW speed will be about 24...but will gladly QRS as necessary.

Let's hope band conditions are much better than last evening. I looked for the N/T+ FOX Alan KB7MBI for almost two full hours, but never heard any sign of him. All of 40 seemed practically deserted. Wow.

Anyway, I hope to hear everyone tonight.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL WAS 48/40
DXCC 56/42 <>< FOX Total 11/23/97 12 of 16 + 8 of 15 N/T+ FOX.

Icom 751A Omni V Sierra Argo 515 Norcal 40a SW-40 49er

Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D GAP TNT/2 Windom
SLV/W6MMA G5RV Auttek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Mon, 24 Nov 1997 06:41:35 -0700
From: AE0Q V31RY <v31ry@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [31233] ARCI and CW SS Pictures (Wyoming)
Message-ID: <2.2.16.19971124134135.2207e9c8@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I've put some photo's of my two contest camping trips to Wyoming on my web site. The QRP-ARCI QSO Party (CW) was one week BEFORE the big blizzard, and the CW SS was one week after it. The pictures show the countryside in two different seasons..

There's also some info on modifications to the Scout/Argo-556. I've made the QSK faster and added a PTT circuit to key my DSP audio filter. Descriptions of the circuits are on the page with the Wyoming pictures (I used an Argo-556 in both contests).

73 -- Glenn

"Remember, any tool can be the right tool!" Red Green

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com --SOWP 5558-M, ARRL LM, QCWA LM, NCVA--
<http://www.qsl.net/ae0q>

Date: Mon, 24 Nov 1997 10:02:55 -0800
From: K3TE <qrp@earthlink.net>
To: QRP-L@Lehigh.EDU
Subject: [31234] HeathKit QRP accessories F.S.
Message-ID: <3479C14F.6F33@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

HM-9A SWR/Wattmeter 5/50 watts \$60.00 + UPS

HFT-9B Transmatch \$60.00 +UPS

Both items for use with HW-9 or any other QRP rig.

Please e-mail. 73 de K3TE

<http://www.qsl.net/k3te>

Date: Mon, 24 Nov 1997 10:36:43 -0500 (EST)
From: "James C. Owen, III" <owen@piper.eeel.nist.gov>
To: qrp-1@Lehigh.EDU
Subject: [31235] Re: Heath nut suckers
Message-ID: <38206.owen@piper.eeel.nist.gov>

In message Sat, 22 Nov 1997 14:37:42 -0500,
wb8ygg@juno.com (Bradley S. Mitchell) writes:

> I finally lost my last nut sucker a couple of years ago.

> On Sat, 22 Nov 1997 10:47:35 -0800 Harvey Laidman

> <Harvey1@outadaloop.com> writes:

>

>>Does anyone know of a source for those wonderful red plastic nut

>> grabbers Heath used to supply with their kits?

Contact East
335 Willow St.
North Andover, MA. 01845-5995
1-508-682-2000

P/N 127-470 \$1.20 Page 107 in 1997 Catalog

73 Jim K4CGY

Date: Mon, 24 Nov 1997 09:44:58 EST
From: kq0i@juno.com (Mark R Milburn)
To: qrp-1@Lehigh.EDU
Message-ID: <19971123.171550.5271.2.KQ0I@juno.com>

KF4N...you asked about information about the list, and I tried to send it

to you, but my mail was returned because of incorrect address. If you see this message, would you reply with your correct address and I will send you the info you asked for.\

72/73 Mark

Mark Milburn, KQ0I@W0AK.#CIA.IA.USA.NOAM E-mail KQ0I@juno.com
ARRL;QRP-L #625;NORCAL #1829;ARS #139;NW QRP #418;QRP ARCI #9226

Date: Mon, 24 Nov 1997 06:56:54 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: John Bates <batesjw@netspace.net.au>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31237] Re: Thnaksgiving
Message-ID: <Pine.SUN.3.90.971124065540.10991A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 24 Nov 1997, John Bates wrote:

> Giddy gang,
>
> Just wanted to wish you all a merry Thanksgiving for 1997 from down
> under here in Tasmania. Know it is your time of the year as I lived in
> Seattle for 12 months.
> All the best to you all and your loved ones.

Thank you very much John,

I'll eat a helping of turkey for you!

(And I hope no one thinks Thanksgiving is political!)

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 24 Nov 1997 08:03:32 -0700
From: Andy Fox <foxes@theriver.com>
To: qrp-1@Lehigh.EDU
Subject: [31238] LED Flashlights
Message-ID: <34799744.23C@theriver.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello,

I ran across (yet) another source for LED flashlights. A search of the archives indicates that neither "ledtronics" nor "flashled" showed up previously.

This company makes a small flashlight that uses two AA batteries. I have not seen or touched one of these, but they appear to be similar to the small Mag Lights. They have a few LEDs in place of a standard filament lamp. Looks like they run about \$30. The first ad I saw was in a flying magazine. That ad was for red and green lights (so as not to harm one's night vision).

Here's their catalog page. You need Adobe Acrobat reader to read the actual catalogs.

<http://www.ledtronics.com/cat/cat.htm>

73 de KK7HV

--

Andy Fox
foxes@theriver.com

Date: Mon, 24 Nov 1997 07:41:14 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31239] Re: Wrinkling paint
Message-ID: <3479A01A.5A77D76D@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to everyone who responded to my query about painting the base of my Norcal paddle. The consensus of opinion is summed up as follows:

"Go out and get some real wrinkle paint, you cheap, lazy, slob and do it right!"

So, that's what I'm going to do. While I'm at it, I'll get some polishing rouge to clean up the brass parts a bit more.

Thanks, guys.
Vic K2VCO

Date: Mon, 24 Nov 1997 11:00:24 -0500
From: cooper@gmpvt.com (Tom Cooper)
To: qrp-1@Lehigh.EDU
Subject: [31240] 2n2222 keyer
Message-ID: <199711241600.LAA16576@web.gmpvt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

For what it's worth, page 36 of Nov. 1996 RadCom has a simple keyer using 2 npn transistors and one 12v relay.

I'd put the schematic up here, but I'm down to 1 index finger. Yesterday I dropped a glass. My reactions were just fast enough that, as it hit the countertop, I was able to run my left hand through the breaking glass, neatly slicing my hand open in a few places. Two hours later I was all scrubbed and stitched and bandaged and queasy. Why are guys such wimps about their own blood?

Tom W1EAT

Date: Mon, 24 Nov 1997 08:01:09 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <ku7y@sage.dri.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31240] Re: Nov. 19 Log for N8VAR
Message-ID: <199711241657.KAA26733@multi13.netcomi.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Monte Stark <ku7y@sage.dri.edu>
> Go to Cockroach Caper. Repeat: Go to Cockroach Caper.

The cricket is caught. QST cries.

(The meeting is at 11)

Date: Mon, 24 Nov 1997 09:00:18 -0700
From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-1@lehigh.edu'" <qrp-1@Lehigh.EDU>
Cc: "'cw'" <cw@qth.net>
Subject: [31241] Christmas Wish List
Message-ID: <01BCF8B7.646B79C0@pps-pc10.gw1.com>
Content-Type: text

Do you know what I would like to see from these lists for my Christmas Present? Well I'll tell you.

I have an Autek RF-1 that is neat to use but when I was in school I learned all about the theory of interest, Supply vs. Demand and other great stuff.

No where was I instructed on how to use anything electronic (not even a calculator, I got my first one my senior year).

How about some ideas from those who use this or like devices as to how to use them. What you use them for. And what kinds of mods you have done.

As far as MODS go it would prefer external mods - i.e. simple circuits used to modify what you are measuring.

Remember, you'll be writing to/for people who don't know what your talking about so keep it simple.

One final request. Getting a circuit that does neat things is great, but having an explanation of what that circuit is doing and how it is doing it is even better.

Thanks,

de KB0ROL, Brad

Date: Mon, 24 Nov 1997 11:27:29
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [31241] Super Gainer design ideas
Message-ID: <3.0.1.16.19971124112729.22bf334e@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This super gainer sounds like a fun project. I'm thinking of a SBL -1 mixer into the regen detector, probably the LM1469 one by KC3ZQ. The LO could be a VFO or a Xtal osc, depending on the tuning range you want to give the regen detector.

That's the real draw back to the regen, it relies on the LC tank for stability, so it has to be as good as a good VFO. It should be fine for phone, either ham SSB or SW broadcast, but for CW work, might be a bit marginal. For HF work, I think I'll use an IF of about 2 Mhz, to get reasonable image rejection and stability. With the SBL-1 mixer and a xtal LO, it should work fine on 6 M or even 2. In that case one would want a higher IF of say 10.7 Mhz.

BTW, the regen detector is still commonly used in some consumer electronics. Most all garage door openers use one and all the cheap RC model cars have one. The regen is used as it is very simple, sensitive and not very selective, so tuning isn't critical. It will lock on to any signal around where it's tuned too.

72,
Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 24 Nov 1997 07:43:17 +0000
From: Ken Lopez <kjlopez@earthlink.net>
To: QRP-1 <QRP-1@Lehigh.EDU>
Subject: [31241] For Sale Items
Message-ID: <34793BE5.214@earthlink.net>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The following items were posted for sale. All are spoken for except the Wilderness 40A. It's a steal, so someone out there should snap this up and make it a clean sweep!

>"For Sale:

>W9GR DSP 3 Digital Signal Processor Kit. Unbuilt. New \$168, sell for \$125.

>LDG AT-11 Automatic antenna tuner kit, unbuilt, with case, New \$180, sell for \$125.

>Wilderness/ Norcal 40A, unbuilt, complete, \$115.

>Johnson Matchbox, 275 Watt, with meter, coupler, \$120.

>Shipping costs extra on all items. "

Ken, N6TZV
818-541-0712

Date: Mon, 24 Nov 1997 08:39:05 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <ku7y@sage.dri.edu>
Cc: "QRP-L list server" <qrp-l@Lehigh.EDU>
Subject: [31242] Re: 40m realignment apparently put on 2001 WRC schedule :(
Message-ID: <199711241735.LAA28613@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Ron --

I suspect that it would be a simple eprom or processor change to convert just about any of the synthesized radios to cover 6.9-7.2. Of course, this would most likely be a "return to service depot" update which would cost \$100 to \$200. I think that the manufacturers would appreciate the extra service income.

Personally, I'd love to see a worldwide 300 kHz wide (or more!) allocation for 40 meters.

Mike K1MG

Date: Mon, 24 Nov 1997 11:51:38 -0500
From: Al Moyle <moyle@essc.psu.edu>
To: qrp-1@Lehigh.EDU
Subject: [31243] Computer (not QRP) related
Message-ID: <3.0.32.19971124115135.005c5e70@pop3server.essc.psu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I know this is way off topic folks, but here goes ...

I'm using an old 486/33 PC to do data acquisition at a field location. The whole thing is pretty simple ... a program (written in good old Microsoft QuickBASIC) logs the openings of a group of precipitation collectors (I work in the Meteorology Department here at Penn State). All the program does is look at a set of opto-isolated inputs. If nothing has changed since the last time, it does nothing. If the state of the inputs has changed, it records the time, date, and the state of the input lines. Here's the problem ... the computer loses track of the date. It never forgets the time, just the date. The back up battery in the system was way down, so I replaced it with an external battery pack of 4AA's. This seemed to help for about 2 weeks, but over the weekend it did it again (and the AA pack had dropped from about 6.5V when fresh to about 5.5V this AM). Has anyone seen this sort of thing before? The PC is on a UPS, so I don't think that the problem is being caused by power line glitches ... besides, the code never crashes. Is there some subtlety that I'm missing here? Does reading the date too often drain the battery? Why should the battery matter if the machine is plugged in and turned on?

Any ideas would be much appreciated.

73,
Al N3KFL

Date: Mon, 24 Nov 1997 08:47:59 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: <rakefet@rakefet.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31243] Re: Interesting phenomenon: vertical vs horizontal antenna

experience

Message-ID: <199711241744.LAA29172@multi13.netcomi.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Vic --

Your experience is similar to mine. After a year of using and comparing a vertical with a dipole on 40 meters, I have found that 90% of the time, the dipole wins, regardless of the distance. The 'imperfect ground suck-out' is pretty strong, even with a half wave vertical. It is pretty difficult to make radials long enough to extend all the way to the other station, but that is what it would take to equalize the vertical and horizontal antennas. I have also found a fair difference between transmit and receive. Sometimes transmitting on the vertical is better but receiving on the dipole is better. Sure makes QSK hard!

My conclusion, after playing with computer models and then doing a lot of A/B comparison, is that the best solution is to put your horizontal antenna up as high as you possibly can (don't go beyond 2 wavelengths!). That's the next step here: 40 meters up 1/2 wavelength.

Mike K1MG

Date: Mon, 24 Nov 1997 09:01:30 -0800

From: Bill Todd <bill@techline.com>

To: nwq-1@scn.org

Cc: qrp-1@Lehigh.EDU

Subject: [31244] Christmas cards in Dec "NWQ"

Message-ID: <1.5.4.32.19971124170130.006f2adc@mail.techline.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hello Gang(s) -

I am including a page of NW QRP'er Photo Christmas cards in the next edition, so if you have one available, please scan it and send it to me for inclusion in the December 97 NorthWest QRP Club newsletter.

I think JPEG is the smallest in byte size, but I can handle just about any kind of picture format (GIF, PIC, etc).

We only have a few weeks until the December edition is on the Web, so please hurry. Note: If you just have a photo of you, or you and your family - not in the form of a Christmas card...that would be OK too.

CUL, Bill-N7MFB
"Ho Ho Ho"

Date: Mon, 24 Nov 1997 12:05:42 -0500
From: "Watson R Gabriel Jr" <wgabriel@duke-energy.com>
To: qrp-1@Lehigh.EDU
Subject: [31245] Any Solid State Relay Experts Here?
Message-ID: <85256559.005BE29A.00@dpcmail.dukepower.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Thought I might could muster some design assistance from someone more knowledgeable than I on the more-recent advances in SSRs, particularly ones that can switch DC outputs.

I am working on a maintenance problem that might lend itself to replacement of a mechanical relay with an SSR.

Basically, here is how the circuit is configured --- A low-frequency square wave (around 4 HZ) energizes and de-energizes a DPDT relay. The relay contact outputs alternately apply around 27vdc to a low-current (around 10madc or less) resistive load with the polarity across the load alternating from +/- to -/+ from energized state to de-energized state. The relay contacts are "cross-wired" such that the polarity across the load reverses on each relay state is another way of saying it.

I am wondering if there are any SSRs available whereby I can replace this mechanical relay with a solid state device. Cost and size are factors too. If the SSR costs more than \$5-7, the change becomes cost limited. Would be nice if it were the size of a DIP relay package or not much larger too.

I know that there are some physically-small, FET-output SSRs on the market for switching DC loads; however, I don't know if there are devices available equivalent to a DPST relay or how they would behave with the

polarity reversal arrangement I need across the load.

Anyone know of something I could use?

Watson/WB4EXW

Date: Mon, 24 Nov 1997 10:58:42 -0600
From: "Claton Cadmus" <aplitech@spacestar.net>
To: <traylor@ECE.ORST.EDU>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [31246] Re: photosensitive pc boards
Message-ID: <199711241705.LAA00131@webster.spacestar.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Roger Traylor <traylor@ECE.ORST.EDU> wrote:

| I am trying to make a pcb. I want to use a transparency made
| on a xerox machine or laser printer as the photopositive
| mask. My question is, will the dark areas of the transparency
| made in this way be opaque enough to use with the sensitized
| board, or will the light bleed through and ruin everything?

I have tried this and find it doesn't work well. I have a friend in the
printing business so I send the "copy" to him and he returns a proper
positive film. This works great of course.

I have read of people having success using two photocopied transparencies
placed on top of each other. I have not tried it, but would assume it
would probably work OK based on my previous experience. Finer details will
be lost, but for most amateur work this shouldn't be a problem although
alignment might be a bit difficult.

Hope this Helps!

73 de KA0GKC Claton Cadmus
E-mail cla@spacestar.net
If you live in Minnesota check out this webpage!
<http://www.qsl.net/mnqrp>

Date: Mon, 24 Nov 1997 08:19:12 -0600
From: "Claton Cadmus" <aplitech@Spacestar.Net>
To: <sigcom@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31247] Re: Crystal Evaluator P.C. board.
Message-ID: <199711241705.LAA00125@webster.spacestar.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I'm considering building this as well. The original article is in QST Jan. 1990 and is also sans the circuit board parts placement diagram. I would suggest you contact Far Circuits about it. You might try an email to the ARRL tech department too.

| From: Stephen M Smith <sigcom@juno.com>
| To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
| Subject: Crystal Evaluator P.C. board.
| Date: Sunday, November 23, 1997 21:40 PM
|
| Group,
|
| I am building the DeMaw crystal evaluator (" A Tester for Crystal F, Q
| and R", QST January, 1990/W1FB's Design Notebook) as part of the 2222
| project. The circuit board is available from FAR, but I have only the
| Design Notebook article and it doesn't include the P.C. board
| layout/parts placement. Can someone FAX, e-mail or mail me that
| information? Please reply off list. Thanks.
|
| 73.....Steve, WB6TNL

Date: Mon, 24 Nov 1997 10:54:26 -0700
From: tom whalen <whalen@swcp.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31248] NW80/20
Message-ID: <3479BF52.F3A@swcp.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wondering if Emtech has a 10m rig for sale yet? I had heard that a rig for that band was in the works. Also one for 17m. 72, Tom WB5QYT

Date: Mon, 24 Nov 1997 10:28:23 -0700
From: Kory Hamzeh <kory@avatar.com>
To: qrp-1@Lehigh.EDU
Subject: [31249] For Sale
Message-ID: <3.0.5.32.19971124102823.007cca70@ns1.avatar.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

This is the last time I will post this. I had scewed up some prices again (I had the retail prices listed!). I apologize if this is getting annoying.

I still have the following items for sale:

Bencher BY-3 Gold on Gold, Excellent Conditions	\$200
Bencher BY-4 Gold on Black Base, Excellent Condition	\$100
Envirotronics 501G Iambic Paddle	\$55
MFJ 901 Vera Tuner, Ok Cond, No Manual	\$35
Built SST-30, MRF-237 Final, ABX Mod, 3+ Watts output Freq Range: 10.110 to 10.120, slight thump at full power. Black top & bottom, ivory front and back panels.	\$90 shipped!
Unbuilt EMTECH NW 20 Meter, case, AF filter	\$100
Avatar Peripheral 250MB external PCMCIA removable drive. New, unopened, still in shrink wrap. See http://www.goavatar.com for detail.	\$200
W6MMA St. Loius Vertical loading coil and base New, not used even once!	\$50

Unless specified, prices do not include shipping!

Thanks & 73,
Kory
AC6RN

Date: Mon, 24 Nov 1997 12:48:36 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31250] Fox Hunting
Message-ID: <Pine.OSF.3.96.971124124705.10705A-100000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Are there good books, web sites etc. on fox hunting? Specifically I am looking for information on how to locate someone transmitting with a 2M rig.

Brian.

```
+-----+
| Brian Buydens,           Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca           http://duke.usask.ca/~buydens |
| VE5RDV                               |
|                                     |
| DO NOT ADD ME TO ANY MAILING LISTS WITHOUT MY CONSENT !!!           |
+-----+
| De beste schippers staan aan wal!                                     |
+-----+
```

Date: Mon, 24 Nov 1997 10:54:30 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-l@Lehigh.EDU
Subject: [31251] Moving 40 Meters
Message-ID: <3.0.1.32.19971124105430.0077f588@dpol.k12.ca.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I personally think it is a great idea. First of all, I build my radios, I don't use my rice box except as a piece of test equipment to find my oscillators, so there won't be a problem moving them down 100 kHz. Gee, I think it will be simple, and I have the following radios on 40 meters and all can be modified down in frequency very easily. In fact, if it happens, we will have an article in QRPp that will tell you how to do it.

NorCal 40, Sierra, Green Mountain, 40-40, OHR W7EL, and soon a 2N2222 rig. I can't think of any of the kits that can't be modified very easily to go down in frequency. Think about it guy, who is going to be the first guy on 6960? Why, it'll be the QRP builder of course. Let's say that they say on

Jan. 1, 2002 we can have the 6.9 - 7.0 MHz portion for CW. At 12:01 AM, that day, there will be signals on the air, bet on it and also bet that they will be a QRP'er. Another advantage to building your own radios.

72, Doug, KI6DS/M0BIV

Date: Mon, 24 Nov 1997 12:51:17 -0600 (CST)
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31251] Test Equipment
Message-ID: <Pine.OSF.3.96.971124124848.10705B-1000000@duke.usask.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I am looking to get a new DVM. I would like something that can do resistance, capacitance, inductance, testing transistors, fets etc. Maybe also frequency counting. I don't want to pay a fortune however. I am interested in people's opinions as to which meters give the best bang for the buck. Also, which features are really useful. I realize that some of this information will be subjective.

Thanks.

+-----+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca http://duke.usask.ca/~buydens |
| VE5RDV |
| |
| DO NOT ADD ME TO ANY MAILING LISTS WITHOUT MY CONSENT !!! |
+-----+
| De beste schippers staan aan wal! |
+-----+

Date: Tue, 25 Nov 1997 00:59:13 -0600
From: tahrens1@juno.com (Timothy H Ahrens)
To: qrp-l@Lehigh.EDU
Subject: [31252] WTB - Index Companion
Message-ID: <19971125.005914.11478.3.tahrens1@juno.com>

Hi Folks... figured since there is a new group

of people meandering through, I'd ask again.

Does anyone have an Index Companion that they'd like to part with?

If so, please e-mail me directly.

Thanks,

Tim W5FN

Date: Mon, 24 Nov 1997 11:14:39 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: "Michael A. Gipe" <mgipe@reliablemeters.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31252] Re: Interesting phenomenon: vertical vs horizontal antenna experience
Message-ID: <3479D21F.AEA41CC1@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Michael A. Gipe wrote:

>
> Vic --
>
> Your experience is similar to mine. After a year of using and
> comparing a
> vertical with a dipole on 40 meters, I have found that 90% of the
> time, the
> dipole wins, regardless of the distance.

The really interesting thing, though, is that under certain conditions the vertical is better for almost ALL signals -- as much as 2 s-units! That's a good reason for keeping them both around. You're right, though, about horizontal height. I wish I could get this dipole up 130 feet instead of 50!

BTW, I use the dipole on 20 meters also (good ol' open wire feed) and it ALWAYS beats the pants off a neighbor who has a new R-7000 vertical! I'm talking European DX from CA, too, not local stuff!

Vic K2VCO

Date: Mon, 24 Nov 1997 11:14:18 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: ki6ds@dpol.k12.ca.us
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31253] Re: Moving 40 Meters
Message-ID: <Pine.SUN.3.90.971124110535.12163A-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Doug and all,

Don't forget that most of the home built kits don't cover
a very large range.

Moving a NorCal 40a down to 6.9 is fine. But to get back to
the novice portion of the band means a whole re alignment.
Dito to hit the 7.040 QRP watering hole.

That hassell (sp?) is one of the reasons I use my rice boxs instead
of my home made rigs most of the time.

I operate from the bottom edege of the bands well up into the
higher portions. Just much easier to qsy with a knob than with
a handfull of tweeking tools!

I also like using some of the clasic rigs when I get a chance. Like
my old FT-101-EE. Still a fine rig but no WARC. And if 40m goes to
6.9 then it will have to also miss that also.

And I don't think any reorganization of the band is going to really
get rid of the qrm. To me, that's just a big pipe dream!

QRM is here to stay. We just need to learn to live with it.

OK, back in my hole,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 25 Nov 1997 01:25:30 -0600

From: tahrens1@juno.com (Timothy H Ahrens)
To: qrp-1@Lehigh.EDU
Subject: [31253] Time to drool?
Message-ID: <19971125.012531.11478.5.tahrens1@juno.com>

Just looked at the new SGC page on the 2020..
updated on Nov 22nd. Looks pretty nice.

<http://www.sgcworld.com/sg2020.html>

cu

Tim W5FN

Date: Mon, 24 Nov 1997 08:22:28 +0000
From: Leon Heller <leon@lfheller.demon.co.uk>
To: traylor@ece.orst.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31254] Re: photosensitive pc boards
Message-ID: <ym0I\$SAElTe0EwMi@lfheller.demon.co.uk>
MIME-Version: 1.0

In message <199711240603.WAA18676@holmes.ece.orst.edu>, Roger Traylor
<traylor@ECE.ORST.EDU> writes

>Guys,

> I am trying to make a pcb. I want to use a transparency made
> on a xerox machine or laser printer as the photopositive
> mask. My question is, will the dark areas of the transparency
> made in this way be opaque enough to use with the sensitized
> board, or will the light bleed through and ruin everything?
>

It depends on the copier/printer, you have to suck it and see. If the
image isn't dense enough, you can put two transparencies together, if
you don't need high resolution. I get much better results by printing 2X
artwork on paper and getting a 1X positive made by a litho platemaker.
It costs about #10 (UK) a time.

Leon

--

Leon Heller: leon@lfheller.demon.co.uk <http://www.lfheller.demon.co.uk>
Amateur Radio Callsign G1HSM Tel: +44 (0) 118 947 1424
See <http://www.lfheller.demon.co.uk/rcm.htm> for details of a
low-cost reconfigurable computing module using the XC6216 FPGA

Message-ID: <01bcf911\$ad1dc1a0\$bfd148a6@kh>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A rusty coat hanger fed with a piece of string works better than an R-7000!

I've worked more DX from my various dipole configurations at 30 to 35 feet than with the R7000 over the past year. Granted that sometimes RX was better on the Rubbish 7000.

A VERY limited bandwidth and many tuning problems means that I am taking it down and scraping it. I'll use the aluminum for a very expensive mono band vertical with real radials.

Just my 2 cents (and \$350) worth.

Ken Hanks K1XS@ibm.net

Date: Mon, 24 Nov 1997 11:50:18 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "Timothy H Ahrens" <tahrens1@juno.com>
Cc: "QRP-L list server" <qrp-l@Lehigh.EDU>
Subject: [31256] Re: Interesting phenomenon: vertical vs horizontal antenna experience
Message-ID: <199711242046.0AA06151@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Tim --

I can personally attest to the effectiveness of your phased array. You have a dynamite system there. I wonder what the difference is; it can't simply be that you have a bit more directional gain with the array. As I recall, you have put a lot of effort into doing it correctly, with a raised radial array, and tuned for one band. It may be that the combination of a properly designed single band vertical system and the extra gain and noise attenuation you get from the array gives it the extra 20 dB needed to beat the dipole.

My vertical standard of comparison is a Gap Titan, which is really an

asymmetric half wave vertical on 40 meters, with more compromises to allow multiband operation. It may not be the best representative for vertical antennas.

It would be interesting to hear other experiences from the group. I have learned quite a bit about antennas in the last year from the expertise available on QRP-L and from the experiments that I have been encouraged to try. Of course, the fox hunts provide a nice way of calibrating the experimental results.

Mike K1MG

> From: Timothy H Ahrens <tahrens1@juno.com>
> To: mgipe@reliablemeters.com
> Subject: Re: Interesting phenomenon: vertical vs horizontal antenna
experience
> Date: Monday, November 24, 1997 11:11 PM
>
> Hi Mike - With my phased system, I find that the opposite
> is true.. probably cuz it is more than one, and I do get
> some gain out of it. If I were only interested in 40, I'd
> probably take the dipole down. It's 135' fed with 450 ladder,
> and about 45 feet up.
>
> cu
>
> Tim W5FN

Date: Mon, 24 Nov 1997 15:10:21 -0500
From: "Christopher Moore" <christopher.moore@snet.net>
To: <qrp-l@Lehigh.EDU>
Subject: [31257] Norcal Paddle Available?
Message-ID: <199711242014.PAA20203@midfire5.aetna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Filling out a Christmas list. Are the paddles still available or have all the kits been sold?
72 Chris W1GM

Date: Mon, 24 Nov 1997 14:12:45 -0600
From: "Cordill,Jim" <JCORDILL@cerner.com>
To: "'qrp-1@LeHigh.EDU'" <qrp-1@Lehigh.EDU>
Subject: [31258] First timer?
Message-ID: <E99C55D3DC1BD111B0EB00805FEA3AEA01214F60@mailwhq01.cerner.com>
MIME-Version: 1.0
Content-Type: text/plain

Gang;

Go easy on a first timer, I just read about this group in the DEC QST. I'm going to give it a try tonight. I've turned down the power on the rice box to 4 watts. Can any of you OT'ers give a guy a tip or two? It (hf fox hunts) sounds like a good way to brush up on the old CW skills, I've been looking for a good reason to start again. Thanks,

Jim KI0BK Olathe, KS
PS: I been a ham for 20 years but I've never seen "72" used before. Must be a qrp thing. q;-)

Date: Mon, 24 Nov 1997 15:42:25 -0500
From: cooper@gmpvt.com (Tom Cooper)
To: qrp-1@Lehigh.EDU
Subject: [31259] Re: Interesting phenomenon: vertical vs horizontal antenna experience
Message-ID: <199711242042.PAA25318@web.gmpvt.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I have a 22' long vertical dipole, top at about 35', fed with 450 ohm window line, and 2 33' inverted vee dipoles up a little higher, fed the same way and oriented at right angles to each other. I feed these, plus a bigger, higher inverted vee for 40, 80 and 160, using some DPDT relays and a single 450 ohm feedline to the shack.

In general, the vertical dipole is the worst of the lot, but not by a whole lot. If I was hurting for space, I'd rather have one of these up than nothing at all, and the price is very low, even with the cost of a tuner added in. It makes a good search antenna, to see where 10 or 15 are open to, and for QRP the added efficiency of the 450 ohm line vs coax is significant.

Who needs aluminum, anyway?

Tom W1EAT

Date: Mon, 24 Nov 1997 13:51:23 -0700 (MST)
From: Brian Mileschosky <n5zgt@swcp.com>
To: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31260] Re: Fox Hunting
Message-ID: <Pine.SUN.3.91.971124134921.16445A-100000@kitsune.swcp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Brian,

Check out, what is perhaps the best T-Hunting web page there is on the Internet. There is a lot of information there, plus many links to other pages. Go to: <http://www.swcp.com/~ab5p>

This is Albuquerque's T-Hunting page. We have a lot of active hunters. Enjoy!

73,

Brian, N5ZGT

Please visit my page at: <http://www.swcp.com/~n5zgt>

On Mon, 24 Nov 1997, Brian.Buydens@usask.ca wrote:

> Are there good books, web sites etc. on fox hunting? Specifically I am
> looking for information on how to locate someone transmitting with a 2M
> rig.

>

> Brian.

>

> +-----+
> | Brian Buydens, Computing Services, University of Saskatchewan |
> | email: Brian.Buydens@usask.ca <http://duke.usask.ca/~buydens> |
> | VE5RDV |
> | |
> | DO NOT ADD ME TO ANY MAILING LISTS WITHOUT MY CONSENT !!! |

> +-----+
> | De beste schippers staan aan wal! |

> +-----+

>

>

Hi Jim... Yes, 72 is a QRP version of 73. I would advise two things: don't expect much success from CQs... and try to 'tail end' QSOs... that is, call guys when they finish a QSO. Of course, answering CQs is OK. I PLAN to be on tonight myself, firing up for the first time my semi-boat anchor Signal One CX-7A on-or about- 7018 and 7042 KHz. Sometime after 1900 EST. Be happy to QSO.

Ed Tanton N4XY EMAIL: n4xy@bellsouth.net
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

"Think you can, think you can't: either way you're right!" Henry Ford

Just had to throw in my experiences with the side by side comparison. I've had an ancient Butternut HF6V , along side the dipole at 38 feet, for four years now. It has been my experience that the Vertical wins 99%

of the time. I used the Butternut on top of a four foot fence post, with no radials, for two years. Worked 9 Foxii the first year, 20 the second year, and last year added 16 radials, to work 32 Foxii. I always check both antennas before jumping in the fray, and for me, here, the vertical wins.

>From the land of red dirt (full of iron oxide) 72,Clif

Clifton Sikes AB5UA
Earlsboro, Ok.
ab5uacw@juno.com

Date: Mon, 24 Nov 1997 16:37:20 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: qrp-1@Lehigh.EDU
Subject: [31263] Cheap DVM
Message-ID: <Pine.GS0.3.96.971124163007.14179A-1000000@hercules.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I lost the post looking for a cheap DVM
I just got at flier from TECH AMERICA/
On the front page is a WAVETEK
measures:
capacitance
transistor hFE
diode test 3.2v/1mA
logic test ttl to 20 MHz
frequency counter to 15 MHz
ac/dc volts
AC/DC current
Resistance
data hold button

MODEL DM16XL \$49.95

1800 877 0072
operators are *probably* standing by :-)

If I didn't have a meter; I would probably buy it.
BTW I have not financial interest in the above.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

Date: Mon, 24 Nov 1997 16:50:21 -0500 (EST)
From: n4js@pobox.com
To: qrp-l@Lehigh.EDU
Subject: [31264] Poly Capacitors
Message-ID: <XFMail.971124165021.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

Well, had today off, so started alignment on my GQ40. Good news, no smoke (so far). bad news, VFO didn't work. Found bad poly cap (I HATE those &*\$%# poly caps). I replaced all of them in the VFO with silver mica. Works FB now.
Tomorrow, on to the rest of it!

Sent at 16:50:21 on 24-Nov-97

John L. Sielke	n4js@amsat.org	n4js@pobox.com
\ _ / _ _	n4js@qsl.net	NJ Grid:FM29LN
. ' _ _ \ _ _ \	http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884	
_ \ _ \ _ _ / _ _ /	QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp	
NE-QRP #507 G-QRP #9544	NorCal #1989	QCWA FISTS #2781 ARS #243

Date: Mon, 24 Nov 1997 09:59:54 -0500 (EST)
From: n4js@pobox.com
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31265] RE: FOX *Tonight*
Message-ID: <XFMail.971124095954.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

On 24-Nov-97 "Wilford D. Lindsey" typed:

>

>Anyway, I will be the FOX *tonight* (Monday, 24 Nov 97), from 0000-0200
>UTC. That equates to 1800-2000 CST. Look for me about 7037 +/- QRM.

Well, If I can't work you, Doc, it's time to turn in my OHR400 on an SB220!!

>

Sent at 09:59:54 on 24-Nov-97

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@qsl.net NJ Grid:FM29LN
http://www.qsl.net/n4js NJ-QRP #57 QRP-L #884
QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243

Date: Mon, 24 Nov 1997 14:57:20 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: JCORDILL@cerner.com
Cc: qrp-l@Lehigh.EDU
Subject: [31265] Re: First timer?
Message-ID: <199711242157.0AA01776@usr04.primenet.com>

Howdy,

Jim (KI0BK) wrote:

>

> Go easy on a first timer, I just read about this group in the DEC
> QST. I'm going to give it a try tonight. I've turned down the power
> on the rice box to 4 watts.

Turning the power down is always a good start, no matter what
the mode. :-) Welcome to QRP and QRP-L! Finest bunch of folks
in ham radio. Not that I'm biased or anything. ;-) Top-notch
operators and builders lurk here, always willing and helpful.
Ham radio "newbies" and OF's mix here as easily as milk and
Ovaltine. I learn new stuff here every day.

> Can any of you OT'ers give a guy a tip or two? It (hf fox hunts) sounds
> like a good way to brush up on the old CW skills, I've been looking for
> a good reason to start again. Thanks,

The QRP-L Fox Hunt is a friendly event among fellow QRPers,
so we all strive to be as courteous as possible - carefully

listening to avoid causing QRM, etc. Well, ideally. :) The Fox will either be calling "CQ FOX DE ..." or working a pileup. Only the Fox sends "CQ FOX". All others hunt him/her down.

The exchange is: RST, State, First Name, and QRP-L Number or Power Out.

So: "TU UR 559 AZ Joe NR 191"

If both of you succeed in copying each other's exchange, you've got a Fox pelt!

Please bear in mind one thing while hunting QRP Foxes though. Not all QRP sigs are weak, but many are. That's why everyone listens so intently - don't want to QRM each other.

> PS: I been a ham for 20 years but I've never seen "72" used before.
> Must be a qrp thing. q:-)

Yep, it's a QRP thing. We're rebels. :) Look forward to working you Jim! Good luck in the Hunt tonight and welcome to QRP! You interested in building? Some *great* kits out there to explore with. Top-quality stuff. Amazing.

Oh, after the Fox hunt, hang out on 7.040 and try calling CQ. Bet you'll get a few QRP takers for a nice chat!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

Date: Mon, 24 Nov 1997 16:13:48 -0600
From: "Jeff M. Gold" <jmg@tntech.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [31265] SGC2020
Message-ID: <3479FC1C.A32D006E@tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

howdi,

I ordered a SGC2020 a while back. before I ordered I was emailed from

SGC and told the mike would be included in the \$595 price. Now I see they are getting an extra \$30 for the mike and bunch more for extended warranty. Anyone else told the mike was included?

72

Jeff, AC4HF

PS.. hope this post is technical enough for all out there :*)

--

Jeff M. Gold, Manager
Academic Computing Support
Tennessee Technological University
(615)372-3979

Date: Mon, 24 Nov 1997 14:39:27 -0800
From: "Michael A. Gipe" <mgipe@reliablemeters.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31266] Re: Norcal paddles
Message-ID: <199711242335.RAA14555@multi13.netcomi.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Gang -

Well, I spent the weekend up to my wrists in automobile rubbing compound, polishing compound, and paint, working on my NorCal paddle kit. Boy, are my fingers sore. I now have about 20 coats of paint on the base and it looks pretty good. It'll probably need about three weeks to dry through all those layers. I never was able to get the brass pieces polished to my expectations, though. Though they shine pretty brightly, they still have lots of little polishing scratches. At one point I tried a cloth buffer with rubbing compound in my drill press -- and spent the next hour cleaning the gritty stuff off the walls -- looked like the set for the Texas Chain Saw Massacre. I went back to the manual approach. When my fingers told my eyes that they looked good enough, I went ahead and put a coat of clear lacquer on top. Should be dry enough to do final assembly tonight. I did go ahead and put the magnet into the center piece late last night. All I can say is I did NOT have a problem with the magnet sliding out of the brass piece. In fact, the vise wasn't strong enough to force it in -- I had to use a hammer (and added a few more scratches in the process). But it ain't comin' out now, nohow!

Any metal mavens out there who can advise me on better ways to polish the brass to a perfect mirror finish? I know it can be done, because I have a

set of Envirotronic paddles which are perfectly polished. I sanded the pieces with, in order, 240 grit, 400 grit, and 600 grit carbide paper. Then I hand-polished with automobile rubbing compound, followed by automobile polishing compound, followed by Brasso. Who knows, I just might be sick enough to do another one, after my fingers recover! My wife looked at my operating desk and laughed. She just doesn't understand why I would need to build another paddle when I already have four on the desk. (There is also one microphone, but it hasn't been used in over a year -- in fact, it has never been used on the current rig.)

I have to agree with the others who said that they would prefer a closer spacing on the paddle handles. My suggestion to Doug and Doug would be to put the rabbet for the Plexiglas (tm) pieces on the inside of the paddle arms in future production runs.

I think that after I've finished assembling it, I will have the most expensive \$30.00 keyer paddle ever built. It sure is nice and compact.

I had planned to use this paddle for 'to the field' operations, but after putting in all these hours making it look pretty, I might have to put it into a display case under lock and key!

I will bring them to the next NorCal meeting for show and tell, after testing them on the Wednesday night fox, of course.

Mike K1MG

Date: Mon, 24 Nov 1997 16:06:04 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'QRP-L@Lehigh.EDU'" <QRP-L@Lehigh.EDU>
Subject: [31267] FOX: N/T+ report: NOGLM from 19 Nov EST
Message-ID: <6B137F61081DD0118DF600805FEAC5C588BFAD@SILVER.CORNING.COM>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7BIT

Greeting All,

Yes, I work another station. The time I worked was 20 Nov 97 0000-0200 UTC (19 Nov 97 1900-2100 EST). The luck fellow is:

K5ZTY Bill TX NR 473

I know the numbers aren't part of the "official" exchange but I like them because numbers throw me for a loop, and this way I get to work on them whilst in the crucible.

I also tried to work KD4EH0 but the fading was incredibly bad. I also heard KK4SA and KB4AQW (?) but I don't think they were foxhunters.

After my hunt was over, I even stayed on the air and answered some CQs. I QSOed w/ WD0CNL in Florida. His second question was how much snow we had.

The next two schedule times for me are:

27 Nov 97 0000-0200 UTC (26 Nov 97 1900-2100 EST) and
29 Nov 97 0000-0200 UTC (28 Nov 97 1900-2100 EST)

Friday I am going to try to improve my signal by going to a friend's house that is near the top of the hills instead of down in the valley. My QTH has steep hills to either side (like 800 feet steep) that I think are inhibiting my signal.

72
Preston NOGLM

Date: Mon, 24 Nov 1997 15:10:35 -0800 (PST)
From: "Robert P. Okas" <vintage@best.com>
To: n4js@pobox.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31268] Re: Poly Capacitors
Message-ID: <Pine.BSF.3.96.971124150437.25178C-1000000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

John,

I know poly caps can be a bit cantankerous with their thin leads and bulky bodies made of low-melting-point plastic. But, they are used because of their temperature characteristics. Wholesale replacement of polys with silver micas is begging for a drifty vfo. This is my experience from many hours of experimenting...

73,
Bob - W3CD

On his day off, n4js@pobox.com wrote:

> Well, had today off, so started alignment on my GQ40. Good news, no smoke (so
> far). bad news, VFO didn't work. Found bad poly cap (I HATE those &*\$%# poly
> caps). I replaced all of them in the VFO with silver mica. Works FB now.
> Tomorrow, on to the rest of it!
> Sent at 16:50:21 on 24-Nov-97

Date: Mon, 24 Nov 1997 16:54:18 -0500 (EST)
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
To: Clifton W Sikes <ab5uacw@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31269] Re: Vertical vs. Dipole
Message-ID: <Pine.GS0.3.96.971124165044.14179B-100000@hercules.acsu.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Good point Clifton,

Not all verticals work the same.

I pick the Butternut as my favorite. The best performer was the HF2V 80/40
Meter dual band. If you get one of these puppies ; it will work.

I currently have a Hygain DX-88 and it doesn't work as well.

Both used the same radial system consisting of 60 radials (one every 6
degrees.)

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
Life member ARRL
jskalski@acsu.Buffalo.EDU

End of QRP-L Digest 919
